



## **The ENERGY STAR® Challenge**

### **Build a Better World 10% at a Time**

#### **Participating States**

These States and state-based organizations have joined with EPA to improve the energy efficiency of their facilities and to encourage businesses and institutions within their jurisdictions to improve the efficiency of their buildings by 10 percent or more.

#### **Arizona**

Energy efficiency is a priority for the State of Arizona. Arizona Revised Statute 34-451 mandates a 10 percent reduction in energy use in state buildings by 2008, and by 15% by 2011. The Arizona Energy Office, within the Department of Commerce, is the agency that carries out this mandate and helps bring the environmental and financial benefits of energy efficiency to Arizona's school districts, government agencies, and institutes of higher education. To support EPA's ENERGY STAR Challenge, Arizona will:

- Measure the energy efficiency of state buildings using EPA's national energy performance rating system;
- Support agencies and educational institutions in improving the energy efficiency of their facilities; and
- Recognize organizations that demonstrate energy efficiency improvements of 10 percent or more.

For more information, please contact Jim Westberg, Energy Program Administrator, Energy Office, Arizona Department of Commerce, at [jimw@azcommerce.com](mailto:jimw@azcommerce.com) or (602) 771-1145.

#### **California State Teachers' Retirement System (CalSTRS)**

CalSTRS has called on all of its real estate investment managers to improve the energy efficiency of their properties and to demonstrate that improvement. Recent guidance adopted by CalSTRS requires investment managers to:

- Measure the energy efficiency of all properties using EPA's national energy performance rating system;
- Record all ratings of 75 or higher and seek approval to apply for the ENERGY STAR;
- Monitor energy performance ratings on an ongoing basis; and
- Review building systems and components in all properties with ratings below 75, and identify and implement cost-effective investments to improve the energy efficiency of properties that rate below 75.

CalSTRS also requires property managers to educate tenants, building security staffs and janitorial service providers about the importance of energy management and curtailing after-hours energy use.

CalSTRS is the largest teachers' retirement fund in the United States. As of June 2004, CalSTRS had \$5.5 billion invested in 43 million square feet of investment property. The pension fund's primary responsibility is to provide retirement related benefits and services to teachers in public schools from kindergarten through community college throughout California. Through investments in real estate, as well as other financial instruments, CalSTRS generates revenues to provide benefits to its annuitants.

For more information, please contact Kirsten Macintyre, Public Information Officer, at [KMacintyre@CalSTRS.com](mailto:KMacintyre@CalSTRS.com) or (916) 229-0930.

## **Delaware**

The State of Delaware is committed to improving the energy efficiency of state facilities and K-12 school districts and to encouraging commercial building owners to adopt smart energy practices. The State requires the purchasing of ENERGY STAR qualified products under house Bill 435. To support EPA's ENERGY STAR Challenge, Delaware will:

- Establish the capability with utilities, state agencies, and schools districts to automatically receive a rating from EPA's energy performance rating system through their energy tracking software;
- Provide training for state agencies and school districts to help them identify the best opportunities for improvements;
- Promote the National Association of Counties (NACo) ENERGY STAR Courthouse Campaign; and
- Incorporate ENERGY STAR products in state agency procurements, where possible, as required by recent Delaware legislation.

For more information, please contact Jenefer Russum, Planner-Delaware Energy Office, at [Jenefer.Russum@state.de.us](mailto:Jenefer.Russum@state.de.us) or (302) 739-1530.

## **District of Columbia**

The District of Columbia is committed to improving energy efficiency within the District. To support EPA's ENERGY STAR Challenge, the District of Columbia Energy Office will:

- Work with other City agencies to implement legislation requiring the purchase of ENERGY STAR qualified products;
- Coordinate with EPA to recognize energy-efficiency achievements;
- Provide training, technical, and financial support to city agencies, and conduct outreach to commercial buildings owners to help them improve efficiency; and
- Partner with other organizations, such as the DC Council of Governments and Public Technology Institute, to promote energy efficiency within the metropolitan DC area.

For more information, please contact Tomaysa Sterling, Energy Program Specialist, Sustainable Solutions Division of the DC Energy Office, at [Tomaysa.Sterling@dc.gov](mailto:Tomaysa.Sterling@dc.gov) or (202) 671-1405.

## **Institute for Sustainable Energy, Eastern Connecticut State University**

Institute for Sustainable Energy (ISE) will be instrumental in bringing the ENERGY STAR Challenge to public organizations and businesses in the State of Connecticut and across New England states. To support the ENERGY STAR Challenge, ISE will:

- Help Connecticut's communities develop energy plans and implement cost-saving energy efficiency improvements in their buildings;
- Assist the State and its school districts to measure their energy efficiency and identify cost-saving efficiency improvements;
- Work with Connecticut's universities to encourage sustainable operations in all aspects of campus life; and
- Develop an energy efficient protocol for state funded construction, including local schools.

ISE is a Connecticut-wide institution whose mission is to identify, develop and become an objective energy and educational resource for achieving a sustainable energy future. In 2004, ISE was awarded an ENERGY STAR Award for Excellence in Energy Efficiency and Environmental Education.

For more information about the Institute for Sustainable Energy, please contact William Leahy, Associate Executive Director for Operations, at [LeahyW@easternct.edu](mailto:LeahyW@easternct.edu) or (860) 465-0252.

## Florida

The State of Florida is committed to improving the energy efficiency of its government and educational facilities. To support EPA's ENERGY STAR Challenge, the Florida Energy Office will:

- Educate other government agencies and schools throughout the state on the financial and environmental benefits of improving energy efficiency;
- Train schools and governments to use ENERGY STAR's tools to help measure their energy use and identify buildings that offer the greatest opportunity for improvement; and
- Recognize Florida organizations that improve energy efficiency by 10 percent or more.

For more information, please contact Michael Ohlsen, Project Manager, Energy Efficiency Programs, Florida Energy Office, at [Michael.Ohlsen@dep.state.fl.us](mailto:Michael.Ohlsen@dep.state.fl.us) or (850) 245-2450.

## Hawaii

The State of Hawaii is committed to improving the energy performance of state facilities and commercial buildings by encouraging the adoption of energy-efficient practices. To support EPA's ENERGY STAR Challenge, Hawaii will:

- Promote EPA's national energy performance rating system to public and private institutions with which it works, focusing on the hospitality sector;
- Providing training to schools and governments on using ENERGY STAR tools to help schools and governments measure their energy use and identify buildings that offer the greatest opportunity for improvement; and
- Incorporate ENERGY STAR qualified products into state agency procurements.

For more information, please contact Gail Suzuki-Jones, Strategic Industries Division, Department of Business, Economic Development, & Tourism, State of Hawaii, at [gsuzuki@dbedt.hawaii.gov](mailto:gsuzuki@dbedt.hawaii.gov) or (808) 587-3802.

## Illinois

The State of Illinois is committed to reducing state energy use 10% by 2012. Governor Rod Blagojevich convened the Illinois Green Government Council with a mandate to promote energy efficiency practices within state facilities. To support EPA's ENERGY STAR Challenge, Illinois will:

- Train the State's facility managers to use ENERGY STAR tools to help state organizations measure their energy use and identify buildings with the greatest opportunity for improvement;
- Measure the energy efficiency of state facilities using EPA's national energy performance rating system,
- Promote the financial and environmental benefits of energy efficiency to mayors of Illinois Main Street Communities; and
- Recognize organizations in Illinois that achieve energy efficiency improvements of 10 percent or more.

For more information, please contact Katie McClain, Senior Policy Advisor, Office of Lieutenant Governor Pat Quinn, at [Katie.McClain@ltgov.state.il.us](mailto:Katie.McClain@ltgov.state.il.us) or (312) 814-4083.

## Indiana

The State of Indiana is committed to improving the energy efficiency of government and educational facilities throughout the state. To support EPA's ENERGY STAR Challenge, Indiana will:

- Educate organizations throughout the State on the financial and environmental benefits of improving energy efficiency;

- Train schools and governments to use ENERGY STAR tools to help them measure their energy use and identify buildings that offer the greatest opportunity for improvement; and
- Recognize organizations in Indiana that improve energy efficiency by 10 percent or more using EPA's national energy performance rating system.

For more information, please contact Brandon Seitz, Policy Director, Office of the Lieutenant Governor, at [bseitz@lg.in.gov](mailto:bseitz@lg.in.gov) or (317) 232-7578.

## **Kansas**

The State of Kansas and its State Energy Office are committed to the goals of the ENERGY STAR Challenge. In April 2004, House Bill 2603 enabled the use of energy performance contracting by state, municipal, county, and school agencies. The State then designed the Facility Conservation Improvement Program to help these agencies easily use energy saving performance contracting. To support EPA's ENERGY STAR Challenge, Kansas will:

- Train schools and governments to use ENERGY STAR tools to help them measure their energy use and identify buildings that offer the greatest opportunity for improvement;
- Recognize organizations in Kansas that achieve energy efficiency improvements of 10 percent or more; and
- Highlight EPA's ENERGY STAR Challenge in the state's public awareness outreach efforts.

For more information, please contact Jim Ploger, Director, Kansas Corporation Commission, at [j.ploger@kcc.state.ks.us](mailto:j.ploger@kcc.state.ks.us) or (785) 271-3349.

## **Kentucky**

The State of Kentucky Office of Energy Policy is committed to promoting the goals of the ENERGY STAR Challenge. To support the ENERGY STAR Challenge, Kentucky will:

- Educate government and educational institutions on the environmental and financial benefits of energy efficiency, through TV, radio and print PSAs, as well as through the Office of Energy Policy website;
- Incorporate EPA's national energy performance rating system into the state's existing energy tracking where appropriate;
- Expand the state's performance contracting program to K-12 schools to offer cost-effective efficiency improvements;
- Train schools and governments on ENERGY STAR tools to identify opportunities for improvement, through partnerships with the University of Louisville, the Kentucky Environmental Education Council, and National Energy Education Development; and
- Recognize organizations that achieve energy efficiency improvements of 10 percent or more.

For more information, please contact Lola Lyle, ENERGY STAR Program Manager, Office of Energy Policy, Division of Renewable Energy and Energy Efficiency, at [Lola.Lyle@ky.gov](mailto:Lola.Lyle@ky.gov) or (502) 564-7192.

## **Maine**

The State of Maine is committed to the goals of the ENERGY STAR Challenge. To support EPA's ENERGY STAR Challenge, Maine will:

- Encourage building owners and operators throughout the State to improve their energy efficiency by 10 percent or more;
- Measure and track energy use and greenhouse gas emissions from state government buildings;
- Identify the best opportunities for improving the efficiency of State buildings; and
- Use performance contracting and other mechanisms to make improvements.

In addition, Maine is designing all new state buildings and publicly funded schools to be as energy efficient as possible.

For more information, please contact Beth Nagusky, Director of Energy Independence-Office of the Governor, at [Beth.Nagusky@maine.gov](mailto:Beth.Nagusky@maine.gov) or (207) 287-4315.

## **Maryland**

The State of Maryland, through the Maryland Energy Administration (MEA), is focusing its efforts on improving energy efficiency in state buildings, K-12 schools, and commercial buildings throughout the state. To support EPA's ENERGY STAR Challenge, Maryland will:

- Provide information and technical assistance about ENERGY STAR tools and resources to both private and public sector commercial buildings and institutions;
- Promote the use of EPA's national energy performance rating system to assess building energy performance and to identify opportunities for improving energy efficiency; and
- Use performance contracting, state agency loan programs, community energy loan programs, and other grants to assist in financing improvements.

For more information, please contact Crissy Fox Godfrey, Account Manager, Program Sponsors, Maryland Energy Administration, at [CGodfrey@energy.state.md.us](mailto:CGodfrey@energy.state.md.us) or (410) 260-7089.

## **Michigan**

The State of Michigan is committed to increasing energy efficiency throughout the state. To support EPA's ENERGY STAR Challenge, Michigan will:

- Work to rate the energy efficiency of all state office buildings, using EPA's energy performance rating system;
- Educate government and educational institutions about the environmental and financial benefits of energy efficiency, through TV, radio, and print PSAs;
- Train schools and government agencies to use EPA's energy performance rating system to measure the energy efficiency of their buildings and identify opportunities for improvement; and
- Recognize organizations that improve efficiency 10 percent or more.

For more information, please contact Brandy J. Minikey, Staff Engineer, Michigan Energy Office, at [bminik@michigan.gov](mailto:bminik@michigan.gov) or (517) 241-8235.

## **Minnesota**

The State of Minnesota commits to promoting the goals of EPA's ENERGY STAR Challenge in its buildings and school districts through its Buildings, Benchmarking and Beyond project, as well as its partnership with the Schools for Energy Efficiency™ (SEE) program. In supporting the Challenge, the Minnesota Legislature has required the development and use of sustainable building design guidelines for all new buildings since early 2005 that are financed entirely or in part with state bond funds.

Through these programs the State will implement guidelines for buildings and schools to help achieve lowest possible lifetime costs for new buildings, encourage continual energy conservation improvements in new buildings, and ensure good indoor air quality. Minnesota would like building owners to consider the long-term operating costs of the building and the value of good energy management. Minnesota also hopes school districts will reduce their energy use by 10% or more, that as many buildings as possible earn the ENERGY STAR, and that the learning environment in each building is improved.

For more information, please contact Bruce Nelson, Buildings, Benchmarking and Beyond Project, at [bruce.nelson@state.mn.us](mailto:bruce.nelson@state.mn.us) or (651) 297-2313.

## New Hampshire

The State of New Hampshire is committed to a 10 percent improvement in energy efficiency across the more than 1,200 buildings it occupies. As the largest energy user in New Hampshire, with costs greater than \$18 million, the State demonstrated its commitment to energy efficiency when the Governor signed an Executive Order in July 2005 to help improve the energy efficiency of state buildings and operations.

The Executive Order, which models EPA's ENERGY STAR Challenge's 10 percent improvement goals, requires the State to:

- Conduct an inventory of its facilities and track energy usage and costs in a centralized database;
- Benchmark all applicable facilities using EPA's national energy performance rating system and develop a plan for conducting energy audits of facilities the earn lower ratings;
- Develop a plan and energy reduction goal for implementing improvements with a reasonable payback period;
- Incorporate ENERGY STAR qualified products into state purchasing policies; and
- Develop energy efficiency standards for new construction designs and procedures for review and commissioning to ensure design specifications were met.

For more information, please contact Joanne Morin, Department of Environmental Services, at [jmorin@des.state.nh.us](mailto:jmorin@des.state.nh.us) or (603) 271-5552.

## New Mexico

As a "Clean Energy State" through the EPA's Clean Energy-Environment State Partnership Program, the State of New Mexico is committed to improving the energy efficiency of its facilities and K-12 schools, and encouraging commercial building owners to adopt efficient energy practices. The State created the Clean Energy Development Council by Executive Order 2004-019 and has been instructing state agencies to support its mission. New Mexico has worked actively with the building and regulatory communities to implement, enforce, evaluate, and develop an applications manual for the recently-adopted new code (IECC2003). The State also actively participates in ENERGY STAR for Homes program. To support EPA's ENERGY STAR Challenge, New Mexico will:

- Train state facility managers to use ENERGY STAR tools and resources, including EPA's national energy performance rating system;
- Benchmark state facilities, and obtaining LEED certification and/or an ENERGY STAR rating for public agency buildings;
- Provide training to schools;
- Recognize organizations in New Mexico that achieve energy efficiency improvements of 10 percent or more; and
- Create a new, advanced energy-efficient buildings standards activity, inspired by the Governor's Green Building Initiative, that will establish a program to promote innovative and advanced energy efficiency beyond code compliance for New Mexico buildings.

For more information, please contact Louise Martinez, NM Energy Minerals and Natural Resources Department, Energy Conservation and Management Division, at [louise.n.martinez@state.nm.us](mailto:louise.n.martinez@state.nm.us) or (505) 476-3315.

## New York

Energy efficiency is a priority for the State of New York. The State's energy policy for its own facilities is clear in the Governor's Executive Order No 111, "Green Buildings and State Vehicles." It says (among other requirements) that state agencies and other affected entities shall strive to meet the ENERGY STAR building criteria for energy performance. New York State Energy Research and Development Authority (NYSERDA) is the agency that helps carry out this Executive Order and brings the environmental and financial benefits of energy efficiency to New York's school districts, universities, healthcare organizations, and companies.

To support EPA's ENERGY STAR Challenge, NYSERDA will:

- Continue to rate the energy efficiency of schools;
- Provide training and other support to state agencies to help them meet Executive Order No 111;
- Recognize at events co-sponsored with the EPA regional office those organizations that improve energy efficiency by 10 percent or more;
- Partner with state agencies to bring energy efficiency to their members, including the New York State Superintendents of Buildings and Grounds, New York State Education Department, New York State Hospitality and Tourism Association, Real-Estate Board of New York, Building Owners and Managers Association, New York State Health Facilities Association, and the Hospital Engineering Society of Greater New York;
- Promote the NACo ENERGY STAR Courthouse Campaign; and
- Collaborate wherever feasible with the New York chapters of the Council for Education Facility Planners International, the Association of School Business Officials, the National Association of Energy Service Companies, Building Owners and Managers Association, and the American Society for Healthcare Engineering of the American Hospital Association to provide joint training and joint recognition for sector achievements.

NYSERDA is a public benefit corporation created in 1965 by the New York State Legislature to help solve New York's most difficult energy and environmental issues. In 2004, NYSERDA rated the energy performance of more than 260 schools representing about 29 million square feet. Further, NYSERDA identified energy efficiency and air quality improvements that helped enhance the classroom environment for 167,600 students. For its outstanding contributions to energy efficiency and pollution prevention, NYSERDA received EPA's Corporate Commitment Award for 2004.

For more information please contact Brain Henderson, Director, Energy Efficiency Services, at [bmh@nyserdera.org](mailto:bmh@nyserdera.org) or (518) 862-1090, ext. 3305.

## **North Carolina**

The State of North Carolina is committed to promoting energy efficiency. Sustainability Executive Order 156 Section 5.a.4 requires the State to purchase ENERGY STAR qualified office equipment. To support EPA's ENERGY STAR Challenge, North Carolina will:

- Promote energy performance with ENERGY STAR to government and educational facilities via TV, radio, and print PSAs, as well as the State Energy Office website and state listservers;
- Develop a cable TV interview program to promote EPA's ENERGY STAR program;
- Provide training to schools and governments;
- Coordinate with EPA to recognize Challenge achievements; and
- Work with EPA to develop outreach materials and state-specific recognition opportunities.

For more information, please contact Kathleen Stahl, Training Manager, North Carolina State Energy Office, at [kathleen.stahl@ncmail.net](mailto:kathleen.stahl@ncmail.net) or (919) 733-2230.

## **Ohio**

The Ohio Department of Development Office of Energy Efficiency (OEE) is encouraging schools districts and consumers to reduce energy use. The Ohio School Facilities Commission (OSFC) will be instrumental in bringing the ENERGY STAR Challenge to school districts in the State of Ohio. Some of OEE and OSFC's current and expanded activities include:

- Funding \$25 million annually for energy efficiency investments in schools through the OSFC managed Energy Conservation and Financing Authority House Bill 254, which allows school districts to borrow money for energy efficiency improvements (Since 1986, OSFC has invested \$1 billion in school energy efficiency improvements.);

- Training senior OSFC staff to use EPA's national energy performance rating system for new and existing schools; and
- Pursuing comprehensive utility data tracking, in coordination with Ohio utilities, to rate over 3,500 schools.

Currently, OEE works with utility companies, product manufacturers and retailers to display and distribute information about ENERGY STAR products at annual meetings and conferences.

For more information, please contact Manny Anunike, Program Manager-OEE at [eanunike@odod.state.oh.us](mailto:eanunike@odod.state.oh.us) or (614) 466-4092, or Franklin Brown, Planning Director-OSFC, at [Franklin.Brown@osfc.state.oh.us](mailto:Franklin.Brown@osfc.state.oh.us) or (614) 466-4168.

## **Pennsylvania**

The Pennsylvania Department of Environmental Protection (PA DEP) is committed to bringing the benefits of energy efficiency to its colleges, universities, K-12 schools, local governments, state agencies, and more. To support EPA's ENERGY STAR Challenge, Pennsylvania will:

- Promote EPA's national energy performance rating system as one of the preferred ways state entities can meet a number of the requirements specified in Executive Order 2004-12, including creating energy profiles, identifying the best energy efficiency investments, and tracking energy performance over time;
- Train DEP staff to use ENERGY STAR tools to help schools and governments measure their energy use and identify buildings that offer the greatest opportunity for improvement; and
- Recognize, in partnership with EPA, organizations that demonstrate energy efficiency improvements of 10 percent or more.

For more information, please contact Mark Hand, DEP ENERGY STAR Coordinator, at [mhand@state.pa.us](mailto:mhand@state.pa.us) or (717) 787-9377.

## **Efficiency Vermont**

Efficiency Vermont is Vermont's statewide energy efficiency utility – the first of its kind in the United States. Efficiency Vermont helps all Vermonters reduce energy costs by making their homes and businesses energy efficient. The agency provides technical assistance and financial incentives to help Vermonters identify and pay for cost-effective approaches to energy-efficient building design, construction, renovation, equipment, lighting and appliances. To support EPA's ENERGY STAR Challenge, Efficiency Vermont will:

- Measure the energy performance of businesses, schools, and state agencies in Vermont;
- Identify and implement appropriate energy efficiency improvements; and
- Recognize, in partnership with EPA, organizations in Vermont that achieve energy efficiency improvements of 10 percent or more.

For more information please contact Dan Gaherty, Market Manager-VEIC, at [dgaherty@veic.org](mailto:dgaherty@veic.org) or (888) 921-5990.



## **Wisconsin**

The State of Wisconsin, through the Department of Administration and its Focus on Energy Program, is an active ENERGY STAR partner and past winner of the ENERGY STAR Partner of the Year Award. To support EPA's ENERGY STAR Challenge, Wisconsin will:

- Promote energy performance with ENERGY STAR to government and educational facilities via TV, radio, and print PSAs, as well as the Focus on Energy website and state listservers;
- Provide training to schools and governments on energy efficiency with ENERGY STAR through the Wisconsin K-12 Energy Education Program (KEEP) program;
- Coordinate with EPA to recognize energy efficiency achievements;
- Work with EPA to develop state-specific recognition; and
- Increase the number of Wisconsin associations and businesses participating in EPA's ENERGY STAR Challenge.

For more information, please contact Jim Mapp, ENERGY STAR Coordinator, at [Jim.Mapp@doa.state.wi.us](mailto:Jim.Mapp@doa.state.wi.us) or (608) 266-8020.